



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

WIDESPREAD RAIN SLOWS FIELDWORK

Heavy, frequent rains, combined with cool temperatures, contributed to delays in crop development behind the five-year average, according to the USDA, NASS, Minnesota Field Office. Reporters noted that, with little time to dry out between rains, soils were saturated and many fields had standing water. Wet conditions delayed herbicide application in areas and caused difficulties cutting and harvesting the first crop of alfalfa. Statewide, 1.8 days were rated suitable for fieldwork as of June 26.

Topsoil moisture supplies were rated 50 percent adequate and 50 percent surplus. Average precipitation for the state was 2.0 inches with totals reaching up to 4.1 inches at Canby and 3.8 inches at Faribault. Temperatures were 4.2° below normal.

Corn average height was 16 inches, 13 inches below the five-year average, and condition was rated 24 percent fair and 57 percent good. Soybeans emerged advanced 8 percentage points from last week to 97 percent, and were 5 inches tall, compared with 8 inches average.

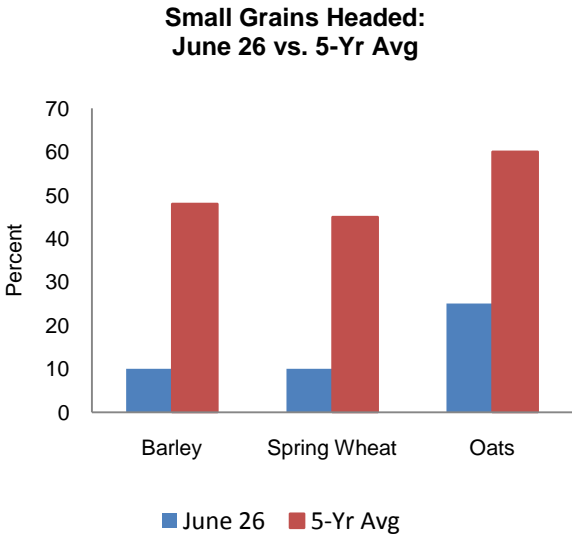
Small grain development remained behind average. Spring wheat was 62 percent jointing and 10 percent headed, while barley was 45 percent jointing and 10 percent headed. Oats were 76 percent jointing and 25 percent headed, compared to 60 percent headed average. Small grains were rated primarily in fair to good condition.

Alfalfa first cutting was 80 percent complete, compared to 83 percent last year and 86 percent average. Pasture condition was rated 2 percent poor, 10 percent fair, 60 percent good, and 28 percent excellent.

Days Suitable for Fieldwork: 1.8				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	0	50	50

Crop Progress as of June 26, 2011					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height (Inches)	16	10	30	29
Soybeans	Emerged	97	89	100	99
	Height (Inches)	5	3	9	8
Oats	Jointing	76	68	97	89
	Headed	25	11	79	60
Spring Wheat	Jointing	62	34	89	81
	Headed	10	1	70	45
Barley	Jointing	45	32	94	79
	Headed	10	4	77	48
Dry Beans	Emerged	94	70	NA	NA
Sweet Corn	Planted	82	75	94	95
Alfalfa	1st Cutting	80	74	83	86

Condition as of June 26, 2011					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	0	2	10	60	28
Soybeans	1	5	27	56	11
Corn	1	5	24	57	13
Oats	0	3	21	59	17
Barley	1	2	20	59	18
Spring Wheat	1	2	21	60	16
Sugarbeets	1	3	28	59	9
Potatoes	0	1	16	60	23
Canola	0	0	20	73	7
Alfalfa	0	3	16	62	19
Green Peas	1	8	32	47	12
Dry Beans	1	5	32	54	8
Sunflowers	0	2	46	48	4



The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:  
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service’s Minnesota Data:  
<http://www.nws.noaa.gov/view/states.php?state=MN>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING June 26, 2011:  
Temperatures averaged from 6.0 degrees below normal in the Central District to 1.8 degrees below normal in the Northeast District. Extremes: 40 degrees in International Falls; 84 degrees in Faribault. Average precipitation ranged from 0.57 inch above normal in the Central District to 1.45 inches above normal in the Southwest District. Greatest weekly total of 4.06 inches was recorded in Canby.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website;  
<http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 6/20/2011 through 6/26/2011

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 17	Depart from Norm
<u>NW DIST 1</u>										
Crookston	78	53	64.0	-2.9	1.45	.61	-.54	-.66	523	-57
Itasca	78	42	60.4	-3.0	2.00	.96	.41	3.31	443	-23
Moorhead	78	54	65.5	-2.1	3.28	2.45	1.61	3.45	574	-29
Warroad	78	45	59.8	-4.9	1.44	.51	.67	3.33	396	-101
<u>NC DIST 2</u>										
Grand Rapids	79	43	60.4	-4.2	2.24	1.10	1.16	2.01	459	-41
Intl. Falls	79	40	60.5	-2.8	1.57	.61	-.07	1.52	419	-52
<u>NE DIST 3</u>										
Duluth	76	48	58.6	-3.0	2.24	1.20	.12	.81	332	-73
Grand Marais	81	44	56.8	1.8	1.22	.40	-1.02	.03	222	-18
Hibbing	77	44	58.6	-4.2	2.19	1.10	-.64	-.09	400	-46
<u>WC DIST 4</u>										
Alexandria	74	45	61.2	-5.6	1.50	.47	.30	.29	501	-69
Browns Valley	79	50	63.0	-5.9	2.03	1.22	1.44	1.93	501	-134
Canby	81	52	64.2	-6.1	4.06	3.08	.99m	1.73m	548m	-128m
Montevideo	83	53	64.6	-4.8	3.49	2.49	1.50	2.35	573	-74
Morris	79	52	63.4	-5.2	1.60	.63	-.32	1.59	531	-99
Wheaton	80	55	64.4	-4.5	1.41	.50	.31	.50	539	-90
<u>CENT DIST 5</u>										
Becker	78	50	63.4	-4.1	1.45	.37	-.05	2.46	582	-11
Collegeville	76	48	62.2	-6.9	2.40	1.31	.58	3.11	615	-38
Hutchinson	74	50	63.6	-6.0	1.78	.72	.96m	6.45m	574	-80
Melrose	74	48	61.4	-7.2	1.28	.27	-.94	.75	517	-104
Olivia	77	41	61.8	-7.6	1.51	.44	.26	3.27	553	-101
St. Cloud	76	46	62.0	-4.8	1.41	.35	-.05	1.46	556	-14
Wadena	73	45	59.6	-5.3	1.13	.12	-.98	-.22	457	-61
Willmar	75	47	62.4	-6.0	2.22	.99	.49	2.42	542	-75
<u>EC DIST 6</u>										
Aitkin	75	45	58.4	-5.6	1.66	.60	1.70	5.60	505	24
Forest Lake	78	49	63.5	-4.8	1.83	.72	-.50	2.09	586	-35
Hinckley	M	M	M	M	M	M	-1.35m	.69m	379m	-122m
MSP Airport	79	52	65.8	-4.4	2.52	1.48	1.29	2.80	675	-1
St. Paul - UofM	76	50	64.0	-5.8	1.88	.70	-.27	1.02	590	-70
<u>SW DIST 7</u>										
Lamberton	81	52	66.0	-4.4	3.33	2.42	5.45	6.44	630	-56
Marshall	83	54	65.4	-5.0	3.02	2.14	1.25	2.93	584	-96
Pipestone	79	48	64.2	-4.7	1.71	.79	1.67	4.73	557	-75
Redwood Falls	76	53	65.6	-5.7	1.70	.72	.55	3.80	642	-77
Worthington	80	50	64.5	-4.3	2.14	1.05	2.20	3.51	571	-55
<u>SC DIST 8</u>										
Faribault	84	52	65.0	-4.2	3.80	2.81	4.25	7.20	592m	-42m
North Mankato	78	49	64.0	-6.0	1.05	-.29	.50	1.35	608	-60
Waseca	80	54	65.6	-3.9	2.22	1.23	1.66	3.11	646	-12
Winnebago	80	52	66.4	-3.9	1.70	.63	1.75	3.35	651	-29
<u>SE DIST 9</u>										
Preston	80	52	64.7	-3.5	1.13	.03	.38	3.56	613	12
Red Wing	80	52	65.5	-3.9	3.04	2.07	1.65	1.56	633	-15
Rochester	79	52	63.8	-4.0	1.88	.91	1.57	3.18	632	35
Rosemount	76	51	64.9	-3.9	1.74	.65	.36m	6.25m	622	-3
Winona	81	53	65.9	-4.1	2.09	1.17	-.15	-1.12	631	-32

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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